

WHAT IS CLAIMED IS:

1. A method of molding comprising:
  - a) utilizing a moveable mold platen mounted to a frame member;
  - b) utilizing a fixable door platen rotatably fixed to said frame member to rotate between an open position, and a closed position fixable in an opposed relationship to said movable mold platen;
  - c) directly accessing said moveable mold platen via a door opening defined in said frame member when said fixable door platen is in said open position.
2. A method of molding comprising the steps of:
  - a) providing a moveable mold platen;
  - b) providing a door platen fixable in a fixed relationship with said moveable mold platen;
  - c) providing a first desired portion of a mold on said moveable mold platen;
  - d) providing a second desired portion of a mold on said door platen;
  - e) placing a part to be encapsulated into said first desired portion of said mold;
  - f) placing said door platen in said fixed relationship to said mold platen;
  - g) moving said moveable mold platen into an adjacent position to said door platen;

h) introducing molding material into a mold cavity formed by said first desired portion and said second desired portion of said mold.

3. A method of molding comprising the steps of:

- a) placing a substrate to be encapsulated onto at least one vacuum head, while vacuum is being applied to said at least one vacuum head, said at least one vacuum head mounted to a mold base mounted on a moveable mold platen, thereby holding said substrate in position on said mold base;
- b) operating a door platen which is fixable in a fixed relationship with said moveable mold platen to rotate said door platen to its closed position in a facing relationship with said moveable mold platen;
- c) fixing said door platen in said closed position;
- d) moving said moveable mold platen to a position adjacent said closed position of said door platen, thereby creating a mold cavity;
- e) introducing a desired molding material into said mold cavity.

4. The method defined in claim 1, wherein said frame member is easily transported from one location to another.

5. The method defined in claim 1, further comprising:

- a) affixing a first mold portion to said moveable mold platen;

- b) affixing a second mold portion to said fixable door platen;
- c) moving said first and said second mold portions into intimate contact, thereby forming a mold cavity.

6. The method defined in claim 5, wherein frame member having said moveable mold platen, and said fixable door platen, are easily transportable from one location to another location.

7. The method of claim 5, further comprising:

- a) utilizing a first powered actuator to allow substantially reciprocal movement of the said movable platen in relation to a fixed, stationary position of said fixable door platen;
- b) utilizing a second powered actuator to rotatably open and close said fixable door platen, said first mold portion and said second mold portion being in intimate contact when said door platen is said fixed, stationary, position, and said movable platen is in an adjacent position to said stationary position of said door platen,
- c) utilizing a mold base that is disposed on said first mold portion; and
- d) encapsulating a part that is disposed on said mold base when a moldable material is introduced into said mold cavity.

8. The method of claim 7, further comprising:
  - a) disposing a substrate on said first mold portion.
9. The method of claim 8, wherein said substrate is a sheet material.
10. The method of claim 8, wherein said substrate is a sheet of glass.
11. The method of claim 2, wherein said part is a sheet material.
12. The method of claim 11, wherein said sheet material is glass.
13. The method of claim 12, further comprising:
  - a) utilizing a first powered actuator to allow substantially reciprocal movement of said moveable mold platen, and
  - b) utilizing a second powered actuator to rotateably open and close said fixable door platen.
14. The method of claim 13, further comprising
  - a) controlling the movement of the actuators as desired;
  - b) utilizing a mold base that is disposed on said first mold portion; and

- c) utilizing a mold core which is disposed on said second mold portion; and
- d) encapsulating a part that is disposed in said mold cavity by introducing moldable material into said mold cavity.

15. The method of claim 14, further comprising placing a part to be encapsulated into said second desired portion of said mold.

16. The method of claim 2, wherein said movable mold platen and said fixable door platen are mounted within a frame and said frame having said first and second mold portions is easily transportable from a first location to a second location.

17. The method of claim 15, wherein said door platen is fixed to said frame by a hinge.

18. The method of claim 15, wherein said door platen and said moveable platen are in a 180 degree opposed relationship during a molding operation.

19. The method of claim 2, further comprising:

- a) utilizing a vacuum to hold said part to be encapsulated in said first desired portion of said mold.

20. The method defined in claim 19, further comprising:
  - a) utilizing a first control valve to cause said door platen to swing into a closed position facing said movable platen.
21. The method of claim 20, further comprising a:
  - a) utilizing a second control valve to cause said movable door platen to be fixed in said fixed position by a plurality of lock pins.
22. The method of claim 21, further comprising utilizing a third control valve to cause said movable mold platen to advance said movable mold platen into an adjacent relationship with said door platen.
23. The method of claim 3, wherein said sheet of material is glass.
24. The method of claim 22 wherein said feet of material is a sheet of glass with a ceramic enamel band.
25. The method of claim 3, wherein said door platen and said moveable mold platen are carried on a frame member.

26. The method of claim 3, wherein said frame member is easily transportable from one location to another.

27. The method of claim 3, further comprising:

- a) affixing a first mold portion to said moveable door platen;
- b) affixing a second mold portion to said door platen; and
- c) moving said first mold portion and said second mold portion into intimate contact, thereby forming a mold cavity.

28. The method of claim 27, further comprising:

- a) utilizing a first powered actuator to allow substantially reciprocal movement of the said movable platen in relation to a fixed, stationary position of said fixable door platen;
- b) utilizing a second powered actuator to rotatably open and close said fixable door platen, said first mold portion and said second mold portion being in intimate contact when said door platen is said fixed, stationary, position, and said movable platen is in an adjacent position to said stationary position of said door platen,
- c) utilizing a mold base that is disposed on said first mold portion; and
- d) encapsulating a part that is disposed on said mold base when a moldable material is introduced into said mold cavity.

29. The method of claim 28, further comprising:
  - a) controlling the movement of said first powered actuator and said second powered actuator, as desired, to open and close said door platen and reciprocate said moveable platen, respectively, as desired.
30. The method of claim 1, wherein a mold or molds are contained in the space defined by the retracted position of said movable mold platen and the closed position of said door platen.
31. The method of claim 2 wherein a mold or molds are contained in the space defined by the retracted position of said movable mold platen and the closed position of said door platen.
32. The method of claim 3, further comprising a mold or molds are contained in the space defined by the retracted position of said movable mold platen and the closed position of said door platen.